

Ruling Apparatus, by Stefan H. Hedrich, 5 pp.

GERMAN, Patent No 816,506.

Patent Office

Sci - Engr

Jul 63

238,263

Hedrick, R. M. and Mowry, D. T.
IMPROVEMENT OF SOIL CONDITIONING AGENTS,
IN SOILS STABILIZED THEREBY AND A PROCESS
FOR SUCH CONDITIONING. [1963] 7p.
Order from OTS or SLA \$1.10 63-14342

Trans. of Belgian patent 510, 232, issued 23 Mar 52,
by Monsanto Chemical Co. (U.S. Priority 12 Feb 52,
appl. 271, 280).

DESCRIPTORS: Soil mechanics, *Soils, Polymers,
Hydrocarbons, Amines, Amides, Surface properties,
*Plants, Growth, Carboxylic acids

The invention concerns a material for conditioning and
improving soil, characterized by the fact that it com-
prises a water-soluble polymerized polyelectrolyte of
molecular weight at least 10,000 having a substantially
linear, continuous carbon chain obtained by polymeri-
zation of an unsaturated aliphatic group, these poly-
(Agriculture--Plant Cultivation, TT, v. 10, no. 3)(over)

63-14342

- I. Hedrick, R. M.
- II. Mowry, D. T.
- III. Patent (Belgium) 510 232
- IV. Patent application (U.S.)
271 280

Office of Technical Services

Hedrick, R. M. and Mowry, D. T.
IMPROVEMENTS IN SOIL CONDITIONING AGENTS
AND A PROCESS FOR THEIR PREPARATION. [1963]
6p.
Order from OTS or SLA \$1.10 63-14343

Trans. of Belgian patent 510,283, 28 Mar 52, by
Monsanto Chemical Co. (U. S. priority filed 2 Jan 52
under serial 264,637).

DESCRIPTORS: *Soils, Additives, Polymers, Vinyl
radicals, *Acetates, *Maleic acid, Esters, *Calcium
compounds, Carbonates, Oxides, Hydroxides.

The invention has as its object the improvement of
cultivable lands by development of an optimum physical
structure. It relates to novel chemical compositions
which exert unusual influences on soil fertility, im-
prove the vitality of bloom, aid in utilization of plant
nutrients and facilitate soil culture. (Author)
(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-14343

- I. Hedrick, R. M.
- II. Mowry, D. T.
- III. Patent (Belgium) 510 283
- IV. Patent application (U. S.)
264 637

Office of Technical Services

Irradiation Phenomena Influenced by the Crystal
Structure and Magneto-Chemical Effects on the
Surfaces of Solids, by J. A. Hedvall, 4pp.

GERMAN, per, Mitt. Bexirkaver. Gross-Berlin u. Mark
Ver. Deut. Chem., No 6, 1941, pp 4.

SIA TR 2098

Sci

65,791

45
Diffusion in Oxide Systems, by J. A. Hedvall.
GERMAN, per, Plasma Proceedings, 1955, pp 1-7.
*NBS TT 70-57312

Sci-Phys
Aug 70

J.A. Hedvall

74
On the Thermal Decomposition of Calcium
Sulfate at Low Temperatures, by J. A.
Hedvall, S. Nordström, B. Liljeström.
GÖTTAN, per, Acta Polytechnica, Chem. Engi-
Ser. Vol 4, No 7, 1955, pp 3-18.
*AEC OHL Tr-1679

J. A. Hedvall

Sci - Materials
May 67

Concerning the Decomposition of BaO₂ and the Reactivity of the Barium Oxides Formed, by J. Arird Hedvall, 6 pp.

Full translation.

SWEDISH
~~GHESEN~~, per, Arkiv for kemi, mineral och geol, Vol VII, No 14, 1918, pp 1-9.

S.L.A.

Scientific - Chemistry

26,020

Jul 55

Factors Affecting the Surface Activity of Solids, by
J. A. Hedvall, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III, No 1,
1962, pp 3-12.

Consultants Bureau

Sci
Dec 62

218,189

63

On the Thermal Decomposition of Calcium Sulfate
at Low Temperatures, by J. A. Hedvall and Sven
Nordengren, 13 pp.

GERMAN, per, Acta Polytechnica, Chem. Mat. Ser.,
Vol 4, No 7, 1955, pp 3-18. P911040068
AEC ORNL-TR-1679

Sci-Chemistry
Mar 68

J. A. Hedvall

350,659

A Contribution to the Understanding of Complex
Uranylcarbonates, by J. Arvid Hedvall

GERMAN, par, Zeit Anorg und Allgem Chem,
Vol CXLVI, 1925, pp 225-229.

AEC Tr 2436

Scientific - Chemistry
Apr 56 CPS/dex

33,965-

TT-65-13413

Field 20C

Hedvall, J. A.; Berg, A.
MAGNETIC CONVERSION AND CATALYTIC ACTIVITY.
VI, CATALYTIC EXPERIMENTS WITH MgO, Fe₂O₃ AND
VARIOUS IRON- AND STEEL TYPES ABOUT THE LOSS
OF THEIR FERROMAGNETIC PROPERTIES, 7p, 11refs.
Order from SLA: \$1.10 as TT-65-13413

Trans. of Zeitschrift fuer Physikalische Chemie, Leipzig
(Germany) v41B p388-95 1938.

I. Title: Catalytic ...

MR 655

Reaction Experiments With Mixtures of Active Fe_2O_3
and CaO in the Solid State, by J. Arvid Hedvall
and S. O. Sandberg.

GERMAN, bk, Zeitschrift für anorganische und
allgemeine Chemie, Vol 240, 1938, pages 15-20.
Dept of Navy NIC 2496

Sci/Chemistry
February 1966

341,934

The New Sludge-Digestion Tank in Stuttgart's
Main Sewage-Treatment Plant at Muehlhausen, by
A. Heeb, Vater.

GERMAN, per, Stadtehygiene, May 1959, pp 92-95.
(Call No EIF 353542, Eng Tr.)

AMS

EEur - Germany
Econ
Sept 60

125,965

China and Its New Shipping Policy, by Dr. Hugo
Heckt. UNCLASSIFIED

GERMAN, per, Seaskiste, No 8, Aug 1959, pp 654-
657.

Navy 2351/OHI 600

FE - China
Eccn
Nov 59

101,401

The Appearance of the Second Diastolic
Wave in the Venous Pulse, by H. Heeger,

E. Aldor.

Chicago, per. Wiener Klin. Wochschr.

Vol LXXII, 1960, pp 661-665.

NASA TT F-9585

H. Heeger

U. S. GOVERNMENT USE ONLY

sci-567

Mar 66

29e, 193

100

Dihydroxy and Trihydroxyl Cinnamic Alcohol,
by W. Freudenberg, W. Heel.
GERMANY, *ber. Chemische Berichte*, Vol 86,
No 2, 1953, pp 190-192.
DTIC 69-12549-97C

W. Heel

Sci-Chem
Aug 59

389,372

The New Bremen Iron and Steelworks for the
Klockner-Werke AG in the North Sea Coastal Region;
Part II, by W. Ksemeyer, W. Asbeck.

GERMAN, per, Stahl und Eisen, Vol LXXX,
10 Nov 1960, pp 1711-1727.

BISI 1996

Star - Germany

170,096

Econ .

sep 61

The New Bremen Iron and Steelworks for the
Lockner-Werke AG in the North Sea Coastal
Region, I, by W. Heemeyer, W. Asbeck.

BERMAN, per, Stahl und Eisen, Vol LXXX, 27 Oct
1960, pp 1443-1448.

BISI 2011

EUR - Germany
Seco
May 61

148,107

Heemskerck, W. C. Bischoff van.
FOUNDATION AND SCOUR PROBLEMS ASSOCIATED
WITH VARIOUS METHODS OF CLOSING AN
ESTUARY. [1963] 20p
Order from ATS \$18.75 ATS-69Q71F

Trans. of [la] Houille Blanche (France) 1963, v. 18,
no. 2, p. 143-158.

DESCRIPTORS: *Estuaries, *Dams, *Foundations
(Structures), *Engineering geology, Civil engineering.

(Engineering--Civil, TT, v. 10, no. 10)

.63-22598

- I. Heemskerck, W. C. B. van
- II. ATS-69Q71F
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

4252374

Office of Technical Services

Research on Water-Vapor Release Through
Small Areas of Human Skin, by E. Heerd,
K. Hara.

QIPAM, per, Pfingers Arch Ges Physi,
Vol CCLXXVI, 1962, pp 32-41.

DATA TT F-9516

E. HEERD

U.S. Government use only

Sci-55M

Jan 66

204,215

Background and Analysis of the Present-Day Situation,
by W. van Heerden, 22 pp.

AFRICANS, rpt, Sept 1961.

JPRS/DC-6465

Africa

Soc

Jan 62

176,762

Angular Correlation Measurement in Superconducting
Metals, by H. Althaus-Schonberg, E. Heer.

GERMAN, per, Helvetic Physica Acta, Vol XXVIII,
No 4, 1955, pp 389-394.

ANNE, Maxwell
Tr-1681

Sci - Phys
Sep 62

211, 526

The Level Scheme of $^{16}\text{LiTa}$, by P. DEFFUMBER,
E. HECH, et al.

GERMAN, *pub*, Helvotica Physica Acta,
Vol XXIX , No 5/6, 1956, pp 463-506.

AERE, Harwell
Tr-1683

Sci - Chem
Sep 62

211, 528

Studies of the Conversion-Electron Correlation
by F. Gamm, E. Esch, et al.

GERMAN, *op. cit.*, *Helvetica Physica Acta*,
Vol. XXIX, No 2, 1956, pp 147-186.

ABRE, Harwell
En-168a

Sci - Electron
Sep 62

211,527

You Know the Grain Beetle-But What is Cortox, by
Heerd-Lingler, 5 pp. UNCLASSIFIED

GERMAN, publ by Heerd-Lingler, Ltd., Frankfurt/Main.

X
S QNT Tr 469

Scientific - Biology
CTS/DEX

11,257

The Munition-Supply-station in the Field,
by C. M. Merens, 11 pp.

DUTCH, per, De Militaire Spectator, No 9,
1961, pp 351-361.

ACSI I-0960
ID 2191519

WeSur - The Netherlands

MI1

189, 720

4 Apr 62

The Lead Required for the Plug Drawing of High
Speed Tubes, by R. Easton, J. Keoringer, J. Colby.
ONOL

HUNGARIAN, per, Acta Tech Acad Sci Hung, Vol. IV,
No 1/2, 1956, pp 127-139.

British Iron and Steel Ind
(no number given)

Sci Engr
Sep 59

98/180

Testing of Compression Machine for Pipes, by
H. Heerkamp.
GOVERNMENT USE ONLY
GERMAN, Patent No 717,403, Class 42 k, Group 2903,
1942, pp 1-3. PZ00130368
PSIC-817

H. HeerKamp

Sci-Mech:
Aug 68

357,432

R-308/63

Linguistic Atlas of Eastern Netherlands and
Adjacent Regions, by K. Heeroma, 90p

DUTCH, pamphlet, TaalAtlas van Oost-Nederland en
Aangrenzende Gebieden, pp 1-4.

✓ JPRS/EC-8888
(Special)

Wear - Netherland
Geographic
Sep 63

344,379

HEERTJES, P. M.

Chemisch Weekblad, vol. 42, 2 figures, 2 tables,
3100 words; 1946.

Spectrographic Method for Quantitative Determination
of Very Small Amounts of Copper and Lead Present in
Solution as Salts.

Brutcher Trans, Order No. 1904 \$5.40

11 11003

Horizontal Traction System for Helicopters
Applied Particularly to Gyroscopic Rotary
Helicopters, by Pierre-Antoine Hees, 3 PP.

FRENCH, Patent No 1,070,544.

Dept of Commerce
Patent Office
Sci Lib (gift)

Sci - Eng; Aeronautics
Aug 57

50,501

The Azo Dye Coupling in Naphthol AS Dyeing (Part III)
by W. Hees, 9 pp.

GERMAN, per, Melliand Textilberichte, Vol XXXI, 1950,
pp 47, 48.

NIH Tr 4-26

Sci - Chem

May 58

64,100

(Part I),
The Azo Dye Coupling in Naphthol AS Dyeing, by W. Hees,
22 pp.

GERMAN, per, Melliand Textilberichte, Vol XXI, 1949,
pp 359,363.

NIE 4-24

Sci - Chem

May 58

64,099

The Azo Dye Coupling in Naphthol AS Dyeing
(Part II). Practical Coupling Conditions in
Naphthol AS Dyeing, by W. Hees, 20 pp.

GERMAN, per, Melliand Textilberichte, Vol XXI, 1949,
pp 525-528.

NIR Tr 4-25

Sci - Chem

S.L.A 58-635
//

May 58

64,098

Personnel and Social Work in a Metallurgical
Plant, by A. Heese.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
3 Aug 1961, pp 1063-1069.

BISI 2637

WEur - Germany

Econ

204, 777

Jul 62

List 13B

Flow Forms and Heat Transfer in Air-Fluidized
Beds of Loose Material, by E. Wicke, K. Hedden,
34 pp.

GERMAN, per, Chem Ing Tech, Vol XXIV, 1952,
pp 82-91.

SIA Tr 2230

Sci - Physics

50,609

Aug 57

Methods in the Planning and Construction of Drainage
Systems, by Adolf Heeb, Wolfgang Kiefer.

GERMAN, per, Der Stadttag, Sep 1959, pp 465-467.
(Call No EIF 353865)

AMS

EEur - Germany
Econ
Mar 61

142,289

Documentation and Quantitative Analysis of Thin-
Layer Chromatograms, by F. W. Hefendehl, 9 pp.

GERMAN, per, Planta Medica, Vol VIII, No 1,
1960, pp 65-70. 9687265

DCO RBIC-53

Sci - Chem
Oct 63

345, 222

Practical Experience With 14 MoV. 63, High
Temperature Steel in the Mannheim Steam Power
Station, by H. Haferkamp.

GERMAN, por, Mitteilungen Vereinigung der
Grosskesselbesitzer, Vol LXXXIV, No 6, 1963,
pp 186-194.

RISI 3352

Sei - Engr, M/M
Oct 63

345, 394

A Process for the Continuous Preparation
of Film-Forming Polyesters of Terephthalic
Acid, by C. J. Heffelfinger. 8 p.
GERMAN, Patent 1 141 453.
SLA TT-66-10551

C. J. Heffelfinger

TT-65-12299

Field 7A

Helferich, F.
CALCULATION OF INDUSTRIAL, ION-EXCHANGING
COLUMNS. A CRITICAL INVESTIGATION ON THE THEO-
RETIC BASES AND METHODS. 32p, 116refs.
Order from SLA: \$3.60 as TT-65-12299

Trans. of Chemie-Ingenieur-Technik (West Germany)
v34 n4 p269-82 1962.

I. Helferich, F.
II. Title: Critical ...

MR 629

NCH-200 474

Field 11J

Heft, D.; Bochmann, D.
GAS CHROMATOGRAPHIC DETERMINATION OF ANTI-
OXIDANTS IN SYNTHETIC RUBBER. May 65, 14p. 9refs.
TC-698.
Order from TC: HC\$14.00 as TC-698

Trans. of Plaste und Kautschuk (East Germany) v11 n10
p624-7 1964.

I. Heft, D.
II. Bochmann, D.
III. TC-698
IV. Trans-Chem,
Knoxville, Tenn.

<p>Heffter, A. PHOSPHORUS AND PHOSPHORUS COMPOUNDS. I. WHITE PHOSPHORUS: EFFECTS ON HIGHER ANIMALS. [1963] 25p (figs omitted) 110refs Order from SLA \$2.60 TT-63-20112</p> <p>Partial trans. (p. 570-587) of Handbuch der Experimentelle Pharmakologie (Germany) [1927] v. 3, pt. 1, p. 568-619.</p> <p>DESCRIPTORS: *White phosphorus, *Poisons, Phosphorus compounds, Animals, Blood,</p> <p>(Biological Sciences--Toxicology, TT, v. 11, no. 2)</p>	<p>TT-63-20112</p> <p>I. Heffter, A. II. Title: White ...</p> <p>Office of Technical Services</p>
--	---

Concerning the Decomposition of Sodium Chlorite
in Bleach Solutions, by Heinz Hefti.

GERMAN

SLA per
NC State College

Jan 59

Liquid Ammonia by Roger W. ... 20
71 pp.
GHEORGHE, ...
No 1, 1944, pp 21-25. SECRET
ARC-ORP-1-126

Sci-Chem
Esp 44

197,328

English Title Unknown, by Hermann Hege.

GERMAN, per, Chemie Ingenieur Technik,
Vol XXXVI, No 1, 1964, pp 52-59.

*AEC

Sci'
Jun 64

53
Contribution to Thermoanalytical Study of the
Decomposition and Reduction of Sulfates (1),
by A. J. Hegedus, K. Fukker, 11 pp.
GERMAN, Ger, Z. Anorg. Allgem. Chem., Vol 284, 1956,
pp 20-30.

AEC/GENL-Tr-1616-69

A. J. Hegedus

Sci/Chem
Jan 70

481,163

The Micro-Estimation of Traces of Sodium,
Potassium and Calcium in Tungsten Metal and
Tungstic Oxide With the Flame Photometer, by
A. J. Hegedus, J. Neugebauer, M. Dvorsky.

GERMAN, per, Mikrochimica Acta, No 2, 1929,
pp 282-293.

Dept of Interior
TN7, E57, No 295

118,821

Sci - Chem
Jun 60

X-Ray and Thermal Analysis in the Study of the
Thermal Decomposition of Hydrated Alumina, by K.
Sasvari, A. J. Hegedus, 6 pp.

GERMAN, per, Naturwissenschaften, Vol XLII, p 254,
1955.

SIA 3271

Sci - Chem
Aug 58

00 337

Principles of Colorimetric Determination of ⁹²
Trace Aluminium with Eriochrome Cyanin F,
by A. J. Hegedus.
Czechoslovakia, per, Mikrochimica Acta, No 5-6,
1965, pp. 851-856.
CIST 4389

A. J. Hegedus

Sci/USC
Jan 66

203.196

11
Agricultural Manpower Situation During the
Second and Third Five-Year Plan Periods,
by Gyorgy Fekete, Gyula Hegedus, et al, 9 pp.
HUNGARIAN, per, Koegazdasagi Szemle, Vol XI,
No 5, 1964, pp 592-606.
JPRS 25944

EE-Hungary
Econ
Aug 64

265,782

Contribution to the Analysis of the Alkaline-
Earth Metals by Flame Photometry, by
E. Pungor, A. J. Hegedus.

GERMAN, per, Mikrochimica Acta, No 1,
1960, pp 87-101.

CBIRO

Sci - Min/Met, Phys
Jun 62

203,352

On the Role of the Flame Temperature in Flame
Photometric Analysis of the Alkali Metals, by
E. Pungor, A. J. Hegedus, I. Konkoly Thege,
E. E. Zapp, 16 pp.

GERMAN, per, Mikrochim Acta, Vol VII-VIII, 1956,
pp 1247-1263.

AEC Tr 2999 52,452

Sci - Min/met; physics
Sep 57

SOCIOLOGICAL INVESTIGATION OF THE CHANGES IN RURAL
WORKING CONDITIONS, BY ANGELO MEUSONI, 13 PP

INDUSTRIAL, PER, MECCANISMI SINDAC, VOL. 7, NO 6,
1963, PP 678-692.

JUN 21 1964

EX-JANUARY
ECON
OCT 63

37575*

(NY-4109).

ETSE

The Present Wage System and Financial Incentives,
by Andras Hegedus, 43 pp.

HUNGARIAN, per, Kozgazdasagi Szemle, Vol VII, No 4,
1960, pp 452-468.

JPRS 5757

EEur - Hungary
Econ - Wages
Oct 60

128,931

Thermal and X-Ray Analytical Contribution
to the Reduction of Tungsten Trioxide, 57
by A. J. Hegedus, T. Millner.
GERMAN, per, Zeit fur Anorg und Allg Chem,
Vol 281, 1955, pp 64-82.
NTC 69-11392-07B

A. J. Hegedus

Sci-Chem
July69 q

387,014

110
Principles of Colorimetric Determination of Trace Aluminum with
Eriochrome Cyanine R., by A. J. Hegedus,
Chem. Abstr., per, Mikrochimica Acta,
nos (5/6), 1963, pp 831-850.
*161 4569

A. J. Hegedus

Sci/534
Aug 68

Contribution to the Thermanalytical Study of
the Decomposition and Reduction of Sulfates, 51
by A. J. Hegedus, et al.
Anal., for, Zeit. Anorg. Allgem. Chem. Vol 234,
1956, pp 20-30.
* 100-101-1r-1016

A. J. Hegedus

sci/chemistry
100 67

EXPERIENCE WITH MEDIUM BLOCK CONSTRUCTION IN
THE CITY OF GYOR, BY ERNO HEGEDUS, 5 PP.

HUNGARIAN, PER, MAGYAR EPITOMJESZET, NO 4,
1962, PP 60-61.

JPRS 17338

EEUR - HUNGARY
ECON .
JAN 63

220,971

Changes in the Absorption Spectrum of Nitrate Ion,
by Istvan Hogedus, 25 pp.

GERMAN, per, Acta Univ Szeged Chem Mineral Phys,
Vol VII, 1939, pp 7-25.

AEC Tr 3156

Sci - Physics
Apr 58

61,078

61,078

Streamlining of Chemical Industry, by Gyula Szeker,
Tibor Hegedus.

HUNGARIAN, per, Magyar Kemikusok Lapja, No 4,
1962, pp 151-154.

FDD Sum 3666

EUR - Hungary
Econ
Jun 62

200,955

Studies on the Pyrogen-Neutralizing Factor in
Normal Human Blood. I. Neutralization of Bacterial
Polysaccharides and the Question of Immune Body
Action, by F. Hegemann, 11 pp.

GERMAN, per, Zeit fuer Immunitätsforschung u Exp
Therapie, Vol CXLII, No 4, Nov 1955, pp 340-350.

37,346

NIH Tr No 5-25

Scientific - Medicine, immunology
Aug 1956 GRS/acc

HEGEMANN, F.

An antibiotic derived from the cocci of human
saliva, 16 pp.

GERMAN, Aschr. f. Hyg. vol. 131, 1950, pp.
241-258 (Abstract translation)

X-527

Translated at the
National Insts. of Health
Bethesda, Md.

A 4006

A Spectrochemical Method for the Quick Quantitative Determination of Trace Elements in Galena, *ibid* by F. Hagemann, G. Leybold, 11 pp.

GESOMAN, per, Erzmetall, Vol VI, No 5, 1953, pp 175-180.

S.L.A. Tr 1238

Sci - Min/Metals
Jan 57 CTS

42,665

On the Importance of Blood Serum for the Formation and
Inactivation of Bacterial Irritants in Man. Second
Report: The Neutralizing Effect of Human Serum on the
Endotoxin of Coli Bacteria, by Ferdinand Hagemann, 19 p

GERMAN, XI per, Z. Imunitätsforsch, Vol III, 1954,
pp 213-225.

1116

S.L.A. Tr ~~8076~~/1956

Sci - Medicine
Oct 56 CTS

40,032

Flame Spectrophotometric Determination
of Lithium Rubidium and Cesium in Special
Glasses, by F. Hagemann, O. Osterried. 33 p.
GERMAN, per, Glastechnische Berichte,
Vol 36, No 6, 1963, pp 217-225.
SLA TT-66-10697

F. Hagemann

Sci-MEM
Jul 66

306,016

Correction Procedures for the Flame-Photometric
Sodium Determination ~~of~~ in the Presence of
Calcium, by Friedrich Hegemann, Barbara Pfab,
9 pp.

GERMAN, per, Glastechnische Berichte, Vol XXVII,
No 6, 1954, pp 189-192. 9688755

DDC RSIC-72

Sci - Chem
Nov 63

241,676

Flame-Photometric Aluminum Determination in Glass,
by Friedrich Hegemann, Walter Hert, Wolfgang Schmid,
~~27~~ pp.

10

GERMAN, per, Glastech Ber Vol XXXI, No 3, 1958,
pp 81-84.

SIA 59-10932

Sci - Engr

Jul 59

OTS I, 11

91,034

Hegemann, Frederick, Schmidt, Wolfgang, and Hert, Walter.

ON THE EFFECT OF FOREIGN IONS ON THE FLAME-SPECTROMETRIC DETERMINATION OF SODIUM AND POTASSIUM IN GLASS ANALYSIS.

[1960] [19]p. 7 refs.

Order from SLA ml\$2.40, ph\$3.30 61-10508

Trans. of Glastechnische Berichte (West Germany) 1959, v. 32, no. 1, p. 15-19.

Research on the disturbing influence of Al, Fe, Mg and Li, on the flame spectrometric determination of Na and K show that K determination is especially sensitive to Al and Fe. On increasing the solution concentration, while keeping however the ratio of alkali to foreign elements constant, the disturbance increases. The influence on the Na and K determination of Fe and Li can to a large extent be reduced through the addition of BaCl₂ to the standard and test solutions. The disturbing influence of Al can be (Materials--Ceramics, TT, v. 5, no. 8) (over)

61-10508

1. Glass--Analysis
2. Sodium--Determination
3. Potassium--Determination
4. Hydrogen ions--Chemical effects

- I. Hegemann, F.
- II. Schmidt, W.
- III. Hert, W.

Office of Technical Services

Hegemann, Friedrich and Osterried, Otto.
THE DETERMINATION OF SODIUM AND POTASSIUM IN GLASSES WITH THE ZEISS FILTER FLAME PHOTOMETER (Die Bestimmung von Natrium und Kalium in Gläsern mit dem Zeiss'schen Filterflammenphotometer). [1961] [19]p. (7 tables omitted) 19 refs.

Order from SLA ml\$2.40, ph\$3.30 61-10691

Trans. of Glasstechnische Berichte (West Germany) 1960, v. 33, no. 6, p. 201-206.

A procedure is given for the use of the PF 5 flame photometer in the determination of sodium and potassium in glasses with a propane-air flame as source of excitation. With the aid of this apparatus, the sodium and potassium contents can be ascertained rapidly and with sufficient accuracy, even when the concentration of interfering ions is not reproduced in the calibration solutions. (Authors)

(Materials--Ceramics, TT, v. 5, no. 9)

61-10691

1. Sodium--Determination
2. Potassium--Determination
3. Glass--Chemical analysis
4. Photometers--Applications

- I. Hegemann, F.
- II. Osterried, O.

Office of Technical Services

The Spectrochemical Determination of Secondary and
Trace Elements in Coal, by F. R. Hegemann.

GERMAN, per, Berichte der Deutschen Keramischen
Gesellschaft, Vol XXXVI, May 1959, pp 145-149.

Dept of Interior
Tr No 1732

Sci

Jan 63

The Mechanical Section of the Federal Railway
Research Institute Munich in its New Buildings,
by F. Hegenbarth.

GERMAN, per, Eisenbahntech Rundschau, No 5,
1956, pp 1-11.

INSDOC-T1861

Sci - Engr

Jun 59

89,293

HEGER, A.
~~SOMMAG, A.~~
LEINWEBER, M.

Stahl Und Eisen, vol. 55, 7 figures, 5 tables,
7200 words. 1935.

Practical Experiences with New High Grade Refractory
Bricks for the Basic Open-hearth Furnace.

Drutcher Trans, Order No. 1843, \$ 7.20.

A 4007

Morawa, F. W.
Heger A. (Others)

Stahl Und Eisen, Vol. 55, 7 figures, 7 tables,
12600 words; 1935

Experiments with Special Refractories in Basic O. H.
Furnace.

Brutcher Trans, Order No. 184, \$12.60

A 4008

The Sanitary Evaluation of Water for Swimming
Pools, by K. Haack, H. Neger.

GERMAN, per, Z. Hygiene u. Infektionskrankh, Vol
CKL, 1954, pp 294-323.

ASLIB-GE 46

118

Sci

Jul 59

92,462

Flutter Experiments on the Influence of Aerodynamic Balance Achieved by Means of a Geared Tab, by H. Voigt, F. Walter, W. Heger, 85 pp.

GERMAN, Feb 1950.

NACA Trans Listing N-6930

Royal Aircraft Establishment Tr 318

12 4009

Analysis of Game Dropping in the Swiss National Park as a Means of Establishing the Composition of Food, by B. Hegg. ⁵⁶
FRENCH, par, Revue Suisse de Zoologie, Vol 68,
No 9, 1961, pp 156-165.
REC-69-13211-06C

B. Hegg

Sci-BHM
Sept 69

391,626

Hypodynamic (energeto-dynamic) Cardiac Insufficiency
in Clinical Practice, by R. Heggin.

GERMAN, per, Deutsches Archiv fuer Klinische
Medizin, Vol CCVIII, 1962, pp 340-360.

NIH 2-7-63

Sci - Biol

May 63

232,000

Hegglin, R. and Keiser, G.
CONCERNING SMOKING AND CORONARY DISEASES,
I. [1962] 10p.
Order from K-H \$12.50 K-H 3417-b

Trans. of Schweizerische Medizinische Wochenschrift,
1955, v. 85, 15 Jan, p. 53-55.

DESCRIPTORS: *Cigarettes, Smokes, *Tobacco,
*Blood circulation, *Heart, Diseases.

(Biological Sciences--Pathology, TT, v. 9, no. 1)

62-22440

I. Hegglin, R.
II. Keiser, G.
III. K-H-3417-b
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

00840

Office of Technical Services

Relations Between Lung Functions and
Pulmonary Circulation. Contribution
to the Genesis and Symptomatology of
the Lesser Circulation, by A. Buhlmann,
C. Maier, M. Heggin, R. Kälin, F. Schaub,
21 pp.

GERMAN, per, Schweiz Med Wochenschrift,
Vol LXXXIII, No 50, 12 Dec 1953,
pp 1199-1202.

NIH

13,825

Scientific - Medicine

CTS/DEX

HEGGLIN, Robert

The energeto-dynamic cardiac insufficiency(1)
(16-Pages)

French, Cardiologia 14, Fasc.2,65, (1949)

X-558

Translated at the
National Insts of Health
Bethesda, Md.

A 4010

^M
On the Coefficient for Weirs with a Free Nappe,
by V. M. Hegly.

FRANCE, Annales des Ponts et Chaussées, Vol 107, No 10
(pp 566-577, Oct 1937)

USA Corps of Engr, Waterways Exper Sta Tr 38-3

SCS - Engineering, hydraulics, naval

Econ - Transportation, river, water

A H. H.

Available on loan at Research Center Library

Notes on the Application to a Large River of Experimental Results Obtained on Small-Scale Models of Channels With Irregular Cross Sections, by V. M. Hegly.

FRENCH, Revue Generale de l'Hydraulique, Vol 1, 1936, pp 189-192.

USA Corps of Engr, Waterways Exper Sta Tr 40-24

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

4) 4018

Available on loan at Research Center Library

Experiments on the Flow of Water over and under Roller
Dams, by V. M. Hegly.

FRENCH, Annales Des Ponts Et Chaussées, Vol 109, No 9,
September 1939, pp 235-281.

USA Corps of Engr, Waterways Exper Sta Tr 41-16

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

A 4-13

Available on loan at Research Center Library

Contribution to the Bending of Aluminium Pipes
and Sections, by W. Hegmann,

GERMAN, per, Aluminium, Vol XXXIV, No 5, pp 266-276.
1958

C.S.I.R.O.

Sci - Min/Sci - Metallurgy

May 60

116,356

New Diesel-Electric Locomotives for
Finland, by Johs. B. Hegna. Sp.
NORLON, per, Techniska Meddelser-NSL,
Vol 10, No 4, December 1962, pp 99-104.
SIA LI 620-66

22

Johs. B. Hegna

NS-Norway

ECOA

Jan 67

315,4141

Essential Oil-and Carvone-Content of Indigenous
Mint Species, by R. Hognauer.

GERMAN, per, Ber Schles Botan Ges, Vol LXIII,
1953, pp 90-102.

DEDOC-T1921

Sci

Aug 58

72,780

Alkaloid Formation by the Plant, by R. Hognauer. 23pp
DUTCH, per, Pharmaceutisch Weekblad,
Vol LXXXV, 1950, pp 937-950.
K-H-2570-a

Oct 66

312,137

Chemotaxonomic Investigations of the Legumino-
sae, by R. Hegnauer.

GERMAN, per, Pharmazie, Vol XI, 1956, pp 638-
652.

CSIRO-3468

Sci

Aug 58

72,779

Formation of Types in Nature and its
Significance in Pharmacological Diagnosis, by
R. Hegnauer.

GERMAN, per, Pharmazeutische Zeitung, Vol. 104,

No. 15, 1959, pp 382-385.

CSIRO/No. 7560

R HEGNAUER

Sci -

Aug 67

335-648

Hegner, C. A.
CONCERNING A NEW LENS SYSTEM FOR THE
CORRECTION OF UNILATERAL APHAKIA (Über ein
Neues Brillensystem zur Korrektion Einseitiger
Aphakie). [1961] [19]p. (foreign text included) 3 refs.
Available on loan from SLA 61-14091

Trans. in manuscript of KI[inische] M[onatsblätter]
[für] A[ugenhelkunde] (Germany) 1912, v. 50,
p. 273-278.

DESCRIPTORS: *Eye, Phystology, *Lenses, Design,
Medical research, Germany, Vision

(Unannounced)

61-14091

1. Title: Aphakia
1. Hegner, C. A.

Office of Technical Services

58
Isolation of Basic Polypeptides with Leuco-
tactic and Formability Advancing Effect, by
H. Frimmer, D. Hegner.

Chemie, part, Hermann-Schubert's Archiv
Chemie Experimentelle in Biologie und Chemie-
biologie, Vol. 20, 1963, pp 307-313.
HC-69-13192-06A

D. Hegner

Sci-DMH
Sept 69

302,61A

INFLUENCE OF ALUMINUM IN PLACE OF COPPER ON
PLANNING OF PRODUCTION AND LABOR PRODUCTIVITY
IN THE ELECTRICAL MACHINE INDUSTRY, BY
M. HEGNER, 9 PP.

GERMAN, PER, ELEKTRIE, NO 11, 1962,
PP 339-342.

JPRS 17489

SCI - ENGR, M/M
FEB 63

221,343